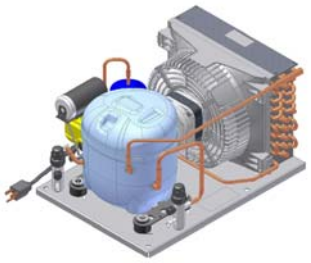
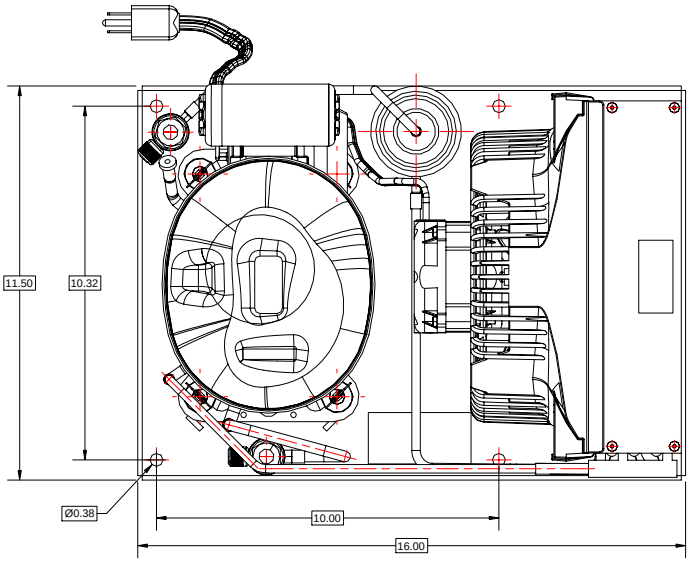
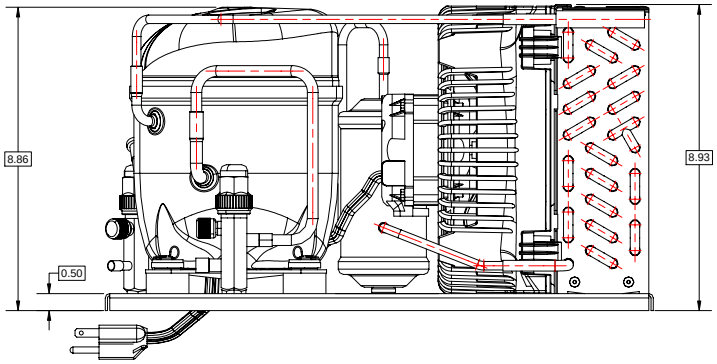
CELSEON® LOW PROFILE CONDENSING UNIT

Model	**AE4425Z-AA1ASK, -SB, -SC, -SS**
BOM	**32F562-39S, -49S, -59S, -69S**
Air Cooled	**1/5 HP**
Application	**High/Commercial Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**115-60-1**







Model	Dimensions, inches (mm)			Line Connections		Pumpdown	AirFlow	Oil Ch.	Gross weight
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs. (Kg)
AE4425Z-AA1ASK	16 (406)	11.5 (292)	8.9 (226)	5/16" Sweat	1/4" Sweat	n/a	190	9.5	38.1 (17.3)
AE4425Z-AA1ASB						1.36			38.7 (17.6)
AE4425Z-AA1ASC				3/8" Valve Sweat	1/4" Valve Sweat				39.5 (17.9)
AE4425Z-AA1ASS						n/a			38.9 (17.6)

Factory charge 20 PSIG dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temperatures															
		80°F				90°F				100°F				110°F			
T, °F	PSIG	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T	BTUH	Watts	Head	Cond T
-10	23.9	950	210	203	90	840	210	232	99	730	220	265	108	630	220	300	117
-5	28.2	1060	220	207	91	940	230	237	100	830	230	269	109	720	230	304	118
0	32.8	1190	230	212	93	1060	240	241	102	930	240	273	110	810	250	309	119
5	37.9	1340	250	217	94	1190	250	246	103	1060	260	279	112	920	260	314	121
10	42.4	1500	260	222	96	1340	260	252	105	1190	270	285	113	1040	280	320	122
15	48.2	1670	270	228	98	1500	270	258	106	1330	280	291	115	1170	290	327	124
20	**54.5**	**1850**	**270**	**234**	**100**	**1660**	**280**	**265**	**108**	**1480**	**300**	**298**	**117**	**1300**	**310**	**334**	**125**
25	61.2	2150	290	239	101	1950	300	270	110	1750	320	304	118	1550	330	342	127
30	68.4	2360	300	246	103	2140	310	277	112	1920	330	312	120	1710	340	350	129
35	76.1	2580	310	253	105	2340	320	285	114	2100	340	320	122	1870	360	358	131
40	84.4	2800	320	261	107	2540	330	294	116	2280	350	329	124	2020	370	368	133

Performance @ 60 Hz, Return gas 40°F below 20°F Evaporator and 65°F above 20°F evaporator, SubCooling 5°F

Parts/Specifications

Unit BOM	**32F562-39S**
Unit MODEL	**AE4425Z-AA1ASK**
Refrigerant	R404A
Refrigeration RANGE	-10°F to 40°F
Design Pressure Low	181
Design Pressure High	450
Volts - HZ - Ph	115V ~ 60HZ
Voltage Range	103.5 - 126.5
Min. Circuit Ampacity	5.7
Max. Fuse Size	15
Compressor MODEL	AE4425Z-AA1A
Compressor BOM	AE-1166-E
Compressor LRA	27
Compressor RLA	4.23
OverLoad	830-10053
Replacement Kit - O/L	
Relay	RP6008-ZR
Replacement Kit - Relay	
Run Capacitor	
Run Capacitor Rating	
Start Capacitor	85PS165D93
Start Capacitor Rating	270-324 MFD 165V
Unit drawing DGU	DGU1896-G103
Electrical Diagram	DEAE-10

Condenser	506-G333
Fan Guard	116-002P
Condenser, Fan Guard Kit	K135-02
Power Cord	85106-10
Fan Motor	NUT6B06ZUN301
Fan Blade	4VEA009
Replacement Fan Motor	6W115
Fan Motor, Blade, Guard assy	GFBG-106
Fan Motor RLA	0.41
Unit BOM	**32F562-49S**
Unit MODEL	**AE4425Z-AA1ASB**
Liquid Receiver	51085-1
Unit BOM	**32F562-59S**
Unit MODEL	**AE4425Z-AA1ASC**
Liquid Receiver	51085-1
Liquid Valve	56605
Suction Valve	56604
Unit BOM	**32F562-69S**
Unit MODEL	**AE4425Z-AA1ASS**
Liquid Valve	56605
Suction Valve	56604